

## **SESSION 3.4**

### **CABINET EMERGENCY SYSTEM & SERIAL BUS #3**

**CRAIG FEARN**



# **CABINET EMERGENCY SYSTEM**

- **TWO CONDITIONS OF ACTION**
  - . **EXTERNAL CABINET BLANK INDICATION**
  - . **FLASH INDICATION**

## **CABINET EMERGENCY SYSTEM (CONT.)**

- **BLANK INDICATION CAUSED BY:**
  - . **POLICE PANEL ON/OFF SWITCH**
  - . **PDA “MAIN” CIRCUIT BREAKER**
  - . **FLASH TRANSFER RELAY COIL “COLD”**
  - . **FLASHER UNITS NOT INSTALLED**

## **CABINET EMERGENCY SYSTEM (CONT.)**

- **FLASH INDICATION CAUSED BY:**
  - . **POLICE PANEL AUTO/FLASH SWITCH**
  - . **PDA PANEL AUTO/FLASH SWITCH**
  - . **CONFLICT MONITOR UNIT (CMU)**
  - . **FTR COIL FAILURE**
  - . **LOAD CIRCUIT BREAKERS TRIPPED**
  - . **FRONT DOOR CLOSED WITH CMU OUT**

## **SERIAL BUS #3**

- **MONITOR SYSTEM BUS**
- **CMU / AUXILIARY MONITOR UNIT (AMU)**
  - . **DRIVEN BY CMU VIA SDLC PROTOCOL**
  - . **COMMUNICATION USES EIA- 485 STANDARD**

## **SERIAL BUS #3 (CONT.)**

- **AMU SENSES 2 VOLTAGES AND 2 CURRENTS PASSING BACK STATE CONDITIONS TO CMU UPON COMMAND**
- **CMU AND AMU ARE NOT VENDOR DEPENDENT**